SEQUENCE LISTING

<110> Ivarie, Cathy

Allen-Hoffmann, Lynn

Conrad, Paul

<120> Improved Methods for Organotypic Culture

<130> Strata-06333

<160> 3

<170> PatentIn version 3.0

<210> 1

<211> 2908

<212> DNA

<213> Mus musculus

<400> 1

gacgccaaga gagcgagcgc ggctccgggc gcgcggggag cagaggcggt ggcgggcggc 60

gggggcaccc ggagccgccg agtgcccctc cccgccctc cagcccccca cccaggaacc 120

cgcccgtgac ccgcgcccat ggccgcgcgc acccggtaca gtccccagga ctccgcaccc 180

cgcgccaccg tccagctcgc agttccgcgc caccgcggcc attctcacct ggcggcgccg 240

cccgccaccg cccggaccac agcccccgcg ccgccgacag ccacagtggc cgcgacaacg 300

gtgggggaca ctgctgagtc caagagcgtg cagcctggcc atcggaccta cttatctgcc 360

ttgctgattg tctattttta taagagttta caacttttct aagaattttt gtatacaaag 420

gaacttttt taaagacatc gccggtttat attgaatcca aagaagaagg atctcgggca 480

atctgggggt tttggtttga ggttttgttt ctaaagtttt taatcttcgt tgactttggg 540

gctcaggtac ccctctctct tcttcggact ccggaggacc ttctgggccc ccacattaat 600

gaggcagcca cctggcgagt ctgacatggc tgtcagcgac gctctgctcc cgtccttctc 660

cacgttcgcg tccggcccgg cgggaaggga gaagacactg cgtccagcag gtgccccgac 720

taaccgttgg cgtgaggaac tctctcacat gaagcgactt cccccacttc ccggccgccc 780

ctacgacctg gcggcgacgg tggccacaga cctggagagt ggcggagctg gtgcagcttg 840

cagcagtaac aacccggccc tcctagcccg gagggagacc gaggagttca acgacctcct 900

ggacctagac tttatccttt ccaactcgct aacccaccag gaatcggtgg ccgccaccgt 960

gaccacctcg gcgtcagctt catcctcgtc ttccccggcg agcagcggcc ctgccagcgc 1020

gccctccacc tgcagcttca gctatccgat ccgggccggg ggtgacccgg gcgtggctgc 1080

cagaaacaca ggtggagggc tcctctacag ccgagaatct gcgccacctc ccacggcccc 1140

cttcaacctg ggggacatca atgacgtgag cccctcgggc ggcttcgtgg ctgagctcct 1200

gcggccggag ttggacccag tatacattcc gccacagcag cctcagccgc caggtggggg 1260

gctgatgggc aagtttgtgc tgaaggcgtc tctgaccacc cctggcagcg agtacagcag 1320

cccttcggtc atcagtgtta gcaaaggaag cccagacggc agccaccccg tggtagtggc 1380

gccctacagc ggtggcccgc cgcgcatgtg ccccaagatt aagcaagagg cggtcccgtc 1440

ctgcacggtc agccggtccc tagaggccca tttgagcgct ggaccccagc tcagcaacgg 1500

ccaccggccc aacacacacg acttcccccc ggggcggcag ctccccacca ggactacccc 1560

tacactgagt cccgaggaac tgctgaacag cagggactgt caccctggcc tgcctcttcc 1620

cccaggattc catccccatc cgggggccaa ctaccctcct ttcctgccag accagatgca 1680

gtcacaagtc ccctctctcc attatcaaga gctcatgcca ccgggttcct gcctgccaga 1740

ggagcccaag ccaaagaggg gaagaaggtc gtggccccgg aaaagaacag ccacccacac 1800

ttgtgactat gcaggctgtg gcaaaaccta taccaagagt tctcatctca aggcacacct 1860

gcgaactcac acaggcgaga aaccttacca ctgtgactgg gacggctgtg ggtggaaatt 1920

cgcccgctcc gatgaactga ccaggcacta ccgcaaacac acagggcacc ggcccttca 1980

gtgccagaag tgtgacaggg ccttttccag gtcggaccac cttgccttac acatgaagag 2040

gcacttttaa atcccacgta gtggatgtga cccacactgc caggagagag agttcagtat 2100

tttttttttct aacctttcac actgtcttcc cacgagggga ggagcccagc tggcaagcgc 2160

tacaatcatg gtcaagttcc cagcaagtca gcttgtgaat ggataatcag gagaaaggaa 2220

gagtccaaga gacaaaacag aaatactaaa aacaaacaaa caaaaaaaca aacaaaaaaa 2280

ccaagaaaaa aaaatcacag aacagatggg gtctgatact ggatggatct tctatcattc 2340

caataccaaa tccaacttga acatgcccgg acttacaaaa tgccaagggg tgactggaag 2400

tttgtggata tcagggtata cactaaatca gtgagcttgg ggggagggaa gaccaggatt 2460

cccttgaatt gtgtttcgat gatgcaatac acacgtaaag atcaccttgt atgctctttg 2520

ccttcttaaa aaaaaaaagc cattattgtg tcggaggaag aggaagcgat tcaggtacag 2580

aacatgttct aacagcctaa atgatggtgc ttggtgagtt gtggtcctaa aggtaccaaa 2640

cgggggagcc aaagttctcc aactgctgca tacttttgac aaggaaaatc tagttttgtc 2700

ttccgatcta cattgatgac ctaagccagg taaataagcc tggtttattt ctgtaacatt 2760

tttatgcaga cagtctgtta tgcactgtgg tttcagatgt gcaataattt gtacaatggt 2820

ttattcccaa gtatgccttt aagcagaaca aatgtgtttt tctatatagt tccttgcctt 2880

aataaatatg taatataaat ttaaccca 2908

<210> 2

<211> 2639

<212> DNA

<213> Homo sapiens

<400> 2

tcgaggcgac cgcgacagtg gtgggggacg ctgctgagtg gaagagagcg cagcccggcc 60

accggaccta cttactcgcc ttgctgattg tctatttttg cgtttacaac ttttctaaga 120

acttttgtat acaaaggaac tttttaaaaa agacgcttcc aagttatatt taatccaaag 180

aagaaggatc tcggccaatt tggggttttg ggttttggct tcgtttcttc tcttcgttga 240

ctttggggtt caggtgcccc agctgcttcg ggctgccgag gaccttctgg gcccccacat 300

taatgaggca gccacctggc gagtctgaca tggctgtcag cgacgcgctg ctcccatctt 360

tctccacgtt cgcgtctggc ccggcgggaa gggagaagac actgcgtcaa gcaggtgccc 420

cgaataaccg ctggcgggag gagctctccc acatgaagcg acttccccca gtgcttcccg 480

gccgccccta tgacctggcg gcggcgaccg tggccacaga cctggagagc ggcggagccg 540

gtgcggcttg cggcggtagc aacctggcgc ccctacctcg gagagagacc gaggagttca 600

acgatctcct ggacctggac tttattctct ccaattcgct gacccatcct ccggagtcag 660

tggccgccac cgtgtcctcg tcagcgtcag cctcctcttc gtcgtcgccg tcgagcagcg 720

gccctgccag cgcgccctcc acctgcagct tcacctatcc gatccgggcc gggaacgacc 780

cgggcgtggc gccgggcggc acgggcggag gcctcctcta tggcagggag tccgctcccc 840

ctccgacggc tcccttcaac ctggcggaca tcaacgacgt gagcccctcg ggcggcttcg 900

tggccgagct cctgcggcca gaattggacc cggtgtacat tccgccgcag cagccgcagc 960

cgccaggtgg cgggctgatg ggcaagttcg tgctgaaggc gtcgctgagc gcccctggca 1020

gcgagtacgg cagcccgtcg gtcatcagcg tcagcaaagg cagccctgac ggcagccacc 1080

cggtggtggt ggcgccctac aacggcgggc cgccgcgcac gtgccccaag atcaagcagg 1140

aggcggtctc ttcgtgcacc cacttgggcg ctggaccccc tctcagcaat ggccaccggc 1200

cggctgcaca cgacttcccc ctggggcggc agctccccag caggactacc ccgaccctgg 1260

gtcttgagga agtgctgagc agcagggact gtcaccctgc cctgccgctt cctcccggct 1320

tccatcccca cccggggccc aattacccat ccttcctgcc cgatcagatg cagccgcaag 1380

tcccgccgct ccattaccaa gagctcatgc cacccggttc ctgcatgcca gaggagccca 1440

agccaaagag gggaagacga tcgtggcccc ggaaaaggac cgccacccac acttgtgatt 1500

acgcgggctg cggcaaaacc tacacaaaga gttcccatct caaggcacac ctgcgaaccc 1560

acacaggtga gaaaccttac cactgtgact gggacggctg tggatggaaa ttcgcccgct 1620

cagatgaact gaccaggcac taccgtaaac acacggggca ccgcccgttc cagtgccaaa 1680

aatgcgaccg agcattttcc aggtcggacc acctcgcctt acacatgaag aggcattttt 1740

aaatcccaga cagtggatat gacccacact gccagaagag aattcagtat tttttacttt 1800

tcacactgtc ttcccgatga gggaaggagc ccagccagaa agcactacaa tcatggtcaa 1860

gttcccaact gagtcatctt gtgagtggat aatcaggaaa aatgaggaat ccaaaagaca 1920

aaaatcaaag aacagatggg gtctgtgact ggatcttcta tcattccaat tctaaatccg 1980

acttgaatat tcctggactt acaaaatgcc aaggggtga ctggaagttg tggatatcag 2040

ggtataaatt atatccgtga gttgggggag ggaagaccag aattcccttg aattgtgtat 2100

tgatgcaata taagcataaa agatcacctt gtattctctt taccttctaa aagccattat 2160

tatgatgtta gaagaagagg aagaaattca ggtacagaaa acatgtttaa atagcctaaa 2220

tgatggtgct tggtgagtct tggttctaaa ggtaccaaac aaggaagcca aagttttcaa 2280

actgctgcat actttgacaa ggaaaatcta tatttgtctt ccgatcaaca tttatgacct 2340

aagtcaggta atatacctgg tttacttctt tagcattttt atgcagacag tctgttatgc 2400

actgtggttt cagatgtgca ataatttgta caatggttta ttcccaagta tgccttaagc 2460

agaacaaatg tgtttttcta tatagttcct tgccttaata aatatgtaat ataaatttaa 2520

gcaaacgtct attttgtata tttgtaaact acaaagtaaa atgaacattt tgtggagttt 2580

gtattttgca tactcaaggt gagaattaag ttttaaataa acctataata ttttatctg 2639

<210> 3

<211> 20

<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 3

gagaaggagg cgtggccaac 20